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**Abstract**

Method for measuring intercell interference in a frequency channel

The method for measuring intercell interference in a frequency channel in a radio communication system involves information separated using spreading codes being transmitted simultaneously to a plurality of subscriber stations in the frequency channel. A total received power is measured in the frequency channel by a first subscriber station. A sum of transmitted powers for the spreading codes used by a first base station is determined in the frequency channel. The intercell interference is determined from a difference between the total received power and the sum of the transmitted powers.

Figure 3